

36. (New) The computer system of claim 20 wherein the proposed configuration includes indications of driver target, gear box, or one or more compression casings.

37. (New) The computer system of claim 20 wherein the proposed configuration includes indications of discharge pressure, discharge temperature, and number of stages.

38. (New) The computer system of claim 20 wherein the proposed configuration includes indications of actual discharge flow, power margin, and absorbed power at driver shaft.

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#### REMARKS

Claims 1-38 are presently pending in the subject application. Claim 16 has been amended and claims 22-38 are new added.

Applicants request consideration of the application and an allowance of all pending claims. If the Examiner wishes to discuss the Amendment, the Examiner is encouraged to contact Maurice J. Pirio by telephone.

Respectfully submitted,

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Enclosures:

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Appendix - Claims

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**Appendix – Claims  
Marked to Show Changes**

16. The method of claim 15 wherein the interstage data includes interstage pressure drops and interstage discharge pressures.

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